

Abstract of the Disclosure

A portable tire and wheel lifting apparatus includes a base, a pair of lifting arms pivotally coupled in a scissor configuration, pneumatic cylinders, an air input device, and an air outlet valve. In use, a tire and wheel are smoothly rolled from the ground to the lifting arms, which are
5 in a retracted configuration. The air input device adds air to the pneumatic cylinders, causing the lifting arms to move from the retracted to an extended configuration, thus raising the tire and wheel. The tire and wheel are turned to line up the rim with the vehicle's hub and fastened to the vehicle. The air outlet valve selectively releases air from the pneumatic cylinders, allowing the lifting arms to move from the extended to the retracted configuration. The tire and wheel lifting
10 apparatus is small enough to fit inside the cavern defined by a spare tire and wheel for storage.